



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 123005

TO: Phillip Gambel
Location: 3e81 / 3c70
Saturday, May 29, 2004
Art Unit: 1644
Phone: 272-0844
Serial Number: 09 / 249011

From: Jan Delaval
Location: Biotech-Chem Library
Rem 1A51
Phone: 272-2504

jan.delaval@uspto.gov

Search Notes

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _____ Examiner #: _____ Date: _____
Art Unit: _____ Phone Number 30 _____ Serial Number: _____
Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

STAFF USE ONLY

Type of Search Vendors and cost where applicable
Searcher: Jan NA Sequence (#) ✓ STN _____
Searcher Phone #: 22504 AA Sequence (#) ✓ Dialog _____
Searcher Location: _____ Structure (#) _____ Questel/Orbit _____
Date Searcher Picked Up: 5/26 Bibliographic _____ Dr.Link _____
Date Completed: 5/29 Litigation _____ Lexis/Nexis _____
Searcher Prep & Review Time: _____ Fulltext _____ Sequence Systems ✓ _____
Clerical Prep Time: 15 Patent Family _____ WWW/Internet _____
Online Time: 20 Other _____ Other (specify) _____

US-09-582-337-16
; Sequence 16, Application US/09582337
; Patent No. 6562618
; GENERAL INFORMATION:
; APPLICANT: Japan Tobacco, Inc.
; TITLE OF INVENTION: Monoclonal Antibody Against Connective Tissue Growth Factor
; FILE OF INVENTION: and Medicinal Uses Thereof
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: JP P1997-367699
; PRIOR FILING DATE: 1997-12-25
; PRIOR APPLICATION NUMBER: JP P1998-356183
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 16
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-582-337-16

Query Match 81.5%; Score 555; DB 4; Length 141;
Best Local Similarity 82.4%; Pred. No. 1.2e-44;
Matches 108; Conservative 9; Mismatches 12; Indels 2; Gaps 1;

QY 4 QAOVLILLWVSGTCDIVLTQSPDLSAVSLGERATISCKSSQSLNSTRFNYLAWYQ 63
Db 4 QTCVFISLLWISGAVGDIWMTQSPDLSAVSLGERATINCKSSQSLYSSNNKYNLAWYQ 63

QY 64 QKGPQPKLLIYMASTRSGVDPFRFSGSGSDTFTLTSSIQADVDVAVYTCQSYNL-Y 121
Db 64 QKGPQPKLLIYMASTRSGVDPFRFSGSGSDTFTLTSSIQADVDVAVYTCQSYSTPEW 123

QY 122 TFGQGTVEIK 132
Db 124 TFGQGTVEIK 134

RESULT 3
US-08-812-586-46
; Sequence 46, Application US/08812586
; Patent No. 6562618
; GENERAL INFORMATION:
; APPLICANT: Martin David Tilson
; TITLE OF INVENTION: PURIFIED AND RECOMBINANT ANTIGENIC
; TITLE OF INVENTION: PROTEINS ASSOCIATED WITH ABDOMINAL AORTIC ANEURYSM (AAA)
; TITLE OF INVENTION: DISEASE, AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESS: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/812,586
; FILING DATE: 07-13-97
; FILING OFFICE: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 0575/53862-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; INFORMATION FOR SEQ ID NO: 46:

SEQUENCE CHARACTERISTICS:
LENGTH: 135 amino acids
STRAND: single
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-812-586-46

Query Match 81.3%; Score 553.5; DB 3; Length 135;
Best Local Similarity 84.6%; Pred. No. 1.6e-44;
Matches 110; Conservative 5; Mismatches 14; Indels 1; Gaps 1;

QY 4 QAOVLILLWVSGTCDIVLTQSPDLSAVSLGERATISCKSSQSLNSTRFNYLAWYQ 63
Db 4 QTCVFISLLWISGAVGDIWMTQSPDLSAVSLGERATINCKSSQSLYSSNNKYNLAWYQ 63

QY 64 QKGPQPKLLIYMASTRSGVDPFRFSGSGSDTFTLTSSIQADVDVAVYTCQSYNL-YT 122
Db 64 QKGPQPKLLIYMASTRSGVDPFRFSGSGSDTFTLTSSIQADVDVAVYTCQSYSTPEM 123

QY 123 TFGQGTVEIK 132
Db 124 TFGQGTVEIK 133

RESULT 4
US-09-535-832A-43
; Sequence 43, Application US/09535832A
; Patent No. 6537769
; GENERAL INFORMATION:
; APPLICANT: Tilson, Martin David
; TITLE OF INVENTION: Purified and Recombinant Antigenic Proteins Associated
; TITLE OF INVENTION: With Abdominal Aortic Aneurysm (AAA) Disease, and
; TITLE OF INVENTION: Diagnostic and Therapeutic Use Thereof
; FILE REFERENCE: 53862-A
; CURRENT APPLICATION NUMBER: US/09/535,832A
; CURRENT FILING DATE: 2000-03-28
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 43
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-535-832A-43

Query Match 81.3%; Score 553.5; DB 4; Length 135;
Best Local Similarity 84.6%; Pred. No. 1.6e-44;
Matches 110; Conservative 5; Mismatches 14; Indels 1; Gaps 1;

QY 4 QAOVLILLWVSGTCDIVLTQSPDLSAVSLGERATISCKSSQSLNSTRFNYLAWYQ 63
Db 4 QTCVFISLLWISGAVGDIWMTQSPDLSAVSLGERATINCKSSQSLYSSNNKYNLAWYQ 63

QY 64 QKGPQPKLLIYMASTRSGVDPFRFSGSGSDTFTLTSSIQADVDVAVYTCQSYNL-YT 122
Db 64 QKGPQPKLLIYMASTRSGVDPFRFSGSGSDTFTLTSSIQADVDVAVYTCQSYSTPEM 123

QY 123 TFGQGTVEIK 132
Db 124 TFGQGTVEIK 133

RESULT 5
US-08-463-903-4
; Sequence 4, Application US/08463903
; Patent No. 6071515
; GENERAL INFORMATION:
; APPLICANT: Mezes, Peter S.
; APPLICANT: Richard, Joseph A.
; APPLICANT: Kocice, Joseph J.
; APPLICANT: Kocice, Nicholas J.
; TITLE OF INVENTION: Dimer and Multimer Forms of Single Chain Polypeptides
; FILE REFERENCE: 40224A US

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OM protein - protein search, using sw model

Run on: May 26, 2004, 11:42:43 ; Search time 15.8202 Seconds
(without alignments)
430.754 Million cell updates/sec

Title: US-09-249-011B-8
Perfect score: 681
Sequence: 1 MDSQAVILLWVSGTGG.....YCTOSTNLYFGQGTKEIK 132

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : 1: /usr2/ptodata/2/ias/5A.COMB.pdp.*
2: /usr2/ptodata/2/ias/5B.COMB.pdp.*
3: /usr2/ptodata/2/ias/5A.COMB.pdp.*
4: /usr2/ptodata/2/ias/5B.COMB.pdp.*
5: /usr2/ptodata/2/ias/5A.COMB.pdp.*
6: /usr2/ptodata/2/ias/5B.COMB.pdp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	592	86.9	239	1	US-08-353-400-37
2	555	81.5	141	4	US-09-582-337-16
3	553.5	81.3	135	3	US-08-812-586-46
4	553.5	81.3	135	4	US-09-535-832A-43
5	548.5	80.5	133	3	US-08-463-901-4
6	548.5	80.5	133	4	US-07-935-695-4
7	548	80.3	131	1	US-08-828-741B-4
8	547.5	80.3	130	4	US-09-301-593-36
9	547.5	80.0	134	4	US-08-961-309-58
10	528.5	77.6	133	2	US-08-822-028-12
11	528.5	77.6	133	3	US-08-479-285-12
12	528.5	77.6	133	4	US-09-503-653A-12
13	526.5	77.3	133	5	PCT-US93-11611-2
14	525.5	77.2	133	4	US-09-301-593-24
15	525.5	77.2	133	4	US-09-301-593-28
16	522.5	76.7	134	3	US-08-513-968-36
17	513.5	75.4	495	3	US-08-828-741B-4
18	513.5	75.4	495	4	US-08-828-741B-4
19	513.5	75.4	495	4	US-09-710-299-4
20	513.5	75.4	495	4	US-09-509-031-4
21	512.5	75.3	133	3	US-08-579-378A-2
22	512.5	75.3	133	5	PCT-US93-11612-2
23	504.5	74.1	113	4	US-09-301-593-6
24	504.5	74.1	113	4	US-09-301-593-34
25	502.5	73.8	113	4	US-08-525-539A-80
26	502.5	73.8	113	4	US-09-274-163E-16
27	502.5	73.8	155	3	US-08-828-741B-11

28	502.5	73.8	155	4	US-09-160-567-11
29	502.5	73.8	155	4	US-09-710-299-11
30	502.5	73.8	155	4	US-08-579-378A-2
31	502.5	73.8	155	4	US-08-828-741B-4
32	502.5	73.8	155	4	US-09-160-567-11
33	502.5	73.8	155	4	US-09-160-567-11
34	502.5	73.8	155	4	US-09-710-299-6
35	502.5	73.8	155	4	US-09-509-031-6
36	500.5	73.5	113	4	US-09-301-593-2
37	500.5	73.5	113	4	US-09-301-593-32
38	498.5	73.2	114	4	US-09-025-769B-17
39	498.5	73.2	114	4	PCT-US93-08435-8
40	498.5	73.2	114	4	US-09-274-163E-2
41	498.5	73.2	114	4	US-09-274-163E-6
42	498.5	73.2	274	3	US-08-828-741B-4
43	497.5	73.1	275	4	US-07-935-695-6
44	497.5	73.1	114	4	US-09-274-163E-4
45	497.5	73.1	115	4	US-09-025-769B-31

ALIGNMENTS

RESULT 1
US-08-353-400-37
; Sequence 37, Application US/08353400
; Patent No. 6635371
; GENE INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA: US/08/353,400
; FILING DATE: 03-DEC-1993
; PRIORITY APPLICATION DATA:
; PRIOR APPLICATION NUMBER: GB 9324819.3
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9411089.7
; FILING DATE: 03-JUN-1994
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-353-400-37

Query Match 86.9%; Score 592; DB 1; Length 239;
Best Local Similarity 84.8%; Pred. No. 7.8e-48;
Matches 112; Conservative 11; Mismatches 9; Indels 0; Gaps 0;
QY 1 MDSQAVILLWVSGTGGIVTQSPDLSVLSGERATISCKSSQLNSPTENYIA 60
Db 1 MDSQAVILLWVSGTGGIVTQSPDLSVLSGERATISCKSSQLNSPTENYIA 60
QY 61 WTQQRFGSPKLLYWAISTRTSGVPPORTFGSGSGTDFLTITISSYQAEEDLAIYCKQSYTL 120
Db 61 WTQQRFGSPKLLYWAISTRTSGVPPORTFGSGSGTDFLTITISSYQAEEDLAIYCKQSYTL 120
QY 121 YTFGGGTKEIK 132
Db 121 YTFGGGTKEIK 132

RESULT 2

Db 1 MDSQAQVILLVWVGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLNSRTRENYLA 60
QY 61 WYQKQPQPKLLIYWASTRESGVDFRSGSGGTDFTLTISLQADVAVYCTQSYNL 120
Db 61 WYQKQPQPKLLIYWASTRESGVDFRSGSGGTDFTLTISLQADVAVYCTQSYNL 120
QY 121 YTFGGTKVEIK 132
Db 121 YTFGGTKVEIK 132

RESULT 2

US-09-249-011A-22
; Sequence 22, Application US/09249011A
; Patent No. US2002017685A1

GENERAL INFORMATION:

; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRERO, BEATRIZ
; APPLICANT: COLLINS, MARY
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GERTTRUIDA M.

; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS

; FILE REFERENCE: 0802-00000

; CURRENT FILING DATE: 1999-02-12

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 22

; LENGTH: 239

; TYPE: PRT

; ORGANISM: Mus sp.

US-09-249-011A-22

Query Match 99.4%; Score 677; DB 9; Length 239;

Best Local Similarity 99.2%; Pred. No. 6,6e-53;

Matches 134; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDSQAQVILLVWVGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLNSRTRENYLA 60

Db 1 MDSQAQVILLVWVGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLNSRTRENYLA 60

QY 61 WYQKQPQPKLLIYWASTRESGVDFRSGSGGTDFTLTISLQADVAVYCTQSYNL 120

Db 61 WYQKQPQPKLLIYWASTRESGVDFRSGSGGTDFTLTISLQADVAVYCTQSYNL 120

QY 121 YTFGGTKVEIK 132

Db 121 YTFGGTKVEIK 132

RESULT 3

US-09-249-011A-4
; Sequence 4, Application US/09249011A

; Patent No. US2002017685A1

GENERAL INFORMATION:

; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRERO, BEATRIZ
; APPLICANT: COLLINS, MARY
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GERTTRUIDA M.

; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS

; FILE REFERENCE: 0802-00000

; CURRENT FILING DATE: 1999-02-12

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 132

; LENGTH: 132

; TYPE: PRT

; ORGANISM: Murine sp.

; FEATURE:

; OTHER INFORMATION: Anti-B7-2 light chain

US-09-249-011A-4

Query Match 92.4%; Score 629; DB 9; Length 132;

Best Local Similarity 90.9%; Pred. No. 7.1e-49;

Matches 120; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

QY 1 MDSQAQVILLVWVGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLNSRTRENYLA 60

Db 1 MDSQAQVILLVWVGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLNSRTRENYLA 60

QY 61 WYQKQPQPKLLIYWASTRESGVDFRSGSGGTDFTLTISLQADVAVYCTQSYNL 120

Db 61 WYQKQPQPKLLIYWASTRESGVDFRSGSGGTDFTLTISLQADVAVYCTQSYNL 120

QY 121 YTFGGTKVEIK 132

Db 121 YTFGGTKVEIK 132

RESULT 4

US-09-799-514-8

; Sequence 8, Application US/09799514

; Patent No. US20020065220A1

GENERAL INFORMATION:

; APPLICANT: Young et al.

; TITLE OF INVENTION: Immunoglobulin Superfamily Polynucleotides, Polypeptides, and A

; FILE REFERENCE: PTO15P1

; CURRENT APPLICATION NUMBER: US/09/799,514

; PRIORITY DATE: 2001-03-01

; PRIOR APPLICATION NUMBER: US00/23652

; PRIOR FILING DATE: 2000-06-29

; PRIOR APPLICATION NUMBER: 60/152,248

; NUMBER OF SEQ ID NOS: 19

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 8

; LENGTH: 240

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-799-514-8

Query Match 81.6%; Score 555.5; DB 9; Length 240;

Best Local Similarity 83.1%; Pred. No. 5.2e-42;

Matches 109; Conservative 9; Mismatches 12; Indels 1; Gaps 1;

QY 4 QAQVILLVWVGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLNSRTRENYLA 63

Db 4 QQQVILLVWVGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLNSRTRENYLA 63

QY 64 QKQKQPQPKLLIYWASTRESGVDFRSGSGGTDFTLTISLQADVAVYCTQSYNL 122

Db 64 QKQKQPQPKLLIYWASTRESGVDFRSGSGGTDFTLTISLQADVAVYCTQSYNL 122

QY 123 FQQTVEIK 132

Db 124 FQQTVEIK 132

RESULT 5

US-10-390-986-16

Result No.	Query	Match	Length	DB	ID	Description	
1	332	83.8	940	1	US-08-353-400-24	Sequence 24, Appl	
2	283.2	71.5	342	3	US-08-939-856-65	Sequence 65, Appl	
3	279.8	70.7	1443	2	US-08-403-853-19	Sequence 19, Appl	
4	279	70.5	427	3	US-09-301-593-23	Sequence 23, Appl	
5	279	70.5	463	4	US-08-513-968-35	Sequence 35, Appl	
6	279	70.5	8068	4	US-09-371-593-27	Sequence 27, Appl	
7	278.6	70.4	748	4	US-09-674-677-3	Sequence 3, Appl	
8	275.4	70.1	399	5	PCT-U693-1161-1	Sequence 1, Appl	
9	275.8	69.6	870	2	US-08-403-853-15	Sequence 15, Appl	
10	270.8	68.4	330	3	US-08-957-001B-4	Sequence 4, Appl	
11	270.6	68.3	960	3	US-08-957-001B-4	Sequence 4, Appl	
12	270.6	68.3	960	4	US-09-423-439-47	Sequence 47, Appl	
13	270.6	68.3	2019	4	US-09-423-439-31	Sequence 31, Appl	
14	270.6	68.3	2025	4	US-09-423-439-37	Sequence 37, Appl	
15	267.2	67.5	342	3	US-09-939-856-188	Sequence 188, Appl	
16	267.2	67.5	1701	2	US-07-916-098A-54	Sequence 54, Appl	
17	267.2	67.5	1701	2	US-07-916-098A-55	Sequence 55, Appl	
18	264.6	66.8	3307	2	US-08-308-494A-24	Sequence 24, Appl	
19	264.6	66.8	399	5	US-08-579-378A-1	Sequence 1, Appl	
20	264.6	66.8	399	3	PCT-U693-1161-2	Sequence 1, Appl	
21	285.2	64.4	423	4	US-09-582-337-15	Sequence 15, Appl	
22	280.2	63.2	402	3	US-08-718-822A-3	Sequence 3, Appl	
23	281.2	63.2	402	3	US-08-718-822A-3	Sequence 3, Appl	
24	281.2	63.2	8068	4	US-09-301-593-35	Sequence 35, Appl	
25	248.2	62.7	344	2	US-07-916-098A-33	Sequence 33, Appl	
26	247	62.4	5703	1	US-08-470-110A-50	Sequence 50, Appl	
27	247	62.4	5703	1	US-08-470-110A-50	Sequence 50, Appl	

Matches 396; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGGATTTCAGAGCCAGGCTTCTTATATGCTGCTAGTGTATCTGGCACTTGGG 60
Db 1 ATGGATTTCAGAGCCAGGCTTCTTATATGCTGCTAGTGTATCTGGCACTTGGG 60
Qy 61 GACATGCTGTGACACAGTCTTCCAGATTCCTGGCTGTAAAGCTTAGAGAGAGGCACT 120
Db 61 GACATGCTGTGACACAGTCTTCCAGATTCCTGGCTGTAAAGCTTAGAGAGAGGCACT 120
Qy 121 ATTAGCTGMAATCAGTACAGTCTCTCAACAGTAGAGACGAGAGACTTGTGCT 180
Db 121 ATTAGCTGMAATCAGTACAGTCTCTCAACAGTAGAGACGAGAGACTTGTGCT 180
Qy 181 TGTACACAGCAGAACCCAGGCGAGCTTCTAACTGCTGATCTTACTGGCATCCACTAGG 240
Db 181 TGTACACAGCAGAACCCAGGCGAGCTTCTAACTGCTGATCTTACTGGCATCCACTAGG 240
Qy 241 GAATCTGGGCTCCCTGATCGCTTCAGTGCAGTGGATCTGGACAGATTTCACTCTCACC 300
Db 241 GAATCTGGGCTCCCTGATCGCTTCAGTGCAGTGGATCTGGACAGATTTCACTCTCACC 300
Qy 301 ATCAGAGCTGCGAGCTGAAAGCTGCGAGTGTATATCTGCAAGCACTTATATCTT 360
Db 301 ATCAGAGCTGCGAGCTGAAAGCTGCGAGTGTATATCTGCAAGCACTTATATCTT 360
Qy 361 TACAGGTTTCAGAGGGGAGGACCAAGGTGGAAATAAAA 396
Db 361 TACAGGTTTCAGAGGGGAGGACCAAGGTGGAAATAAAA 396

RESULT 2

US-09-249-011a-21
; Sequence 21; Application US/09249011a
; Patent No. US2002017685A1
; GENERAL INFORMATION:
; APPLICANT: CO. MAN SING
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARENNO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: VELDMAN, GERTRUUDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011a
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (12)..(408)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (768)..(1087)
US-09-249-011a-21
Query Match 99.5%; Score 392.8; DB 9; Length 1960;
Best Local Similarity 99.5%; Pred. No. 5e-129;
Matches 394; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 ATGGATTTCAGAGCCAGGCTTCTTATATGCTGCTAGTGTATCTGGCACTTGGG 60
Db 12 ATGGATTTCAGAGCCAGGCTTCTTATATGCTGCTAGTGTATCTGGCACTTGGG 71

Qy 61 GACATGCTGTGACACAGTCTTCCAGATTCCTGGCTGTAAAGCTTAGAGAGAGGCACT 120
Db 72 GACATGCTGTGACACAGTCTTCCAGATTCCTGGCTGTAAAGCTTAGAGAGAGGCACT 131
Qy 121 ATTAGCTGMAATCAGTACAGTCTCTCAACAGTAGAGACCGAGAGAGACTTGTGCT 180
Db 132 ATTAGCTGMAATCAGTACAGTCTCTCAACAGTAGAGACCGAGAGAGACTTGTGCT 191
Qy 181 TGTACACAGCAGAACCCAGGCGAGCTTCTAACTGCTGATCTTACTGGCATCCACTAGG 240
Db 192 TGTACACAGCAGAACCCAGGCGAGCTTCTAACTGCTGATCTTACTGGCATCCACTAGG 251
Qy 241 GAATCTGGGCTCCCTGATCGCTTCAGTGCAGTGGATCTGGACAGATTTCACTCTCACC 300
Db 252 GAATCTGGGCTCCCTGATCGCTTCAGTGCAGTGGATCTGGACAGATTTCACTCTCACC 311
Qy 301 ATCAGAGCTGCGAGCTGAAAGCTGCGAGTGTATATCTGCAAGCACTTATATCTT 360
Db 312 ATCAGAGCTGCGAGCTGAAAGCTGCGAGTGTATATCTGCAAGCACTTATATCTT 371
Qy 361 TACAGGTTTCAGAGGGGAGGACCAAGGTGGAAATAAAA 396
Db 372 TACAGGTTTCAGAGGGGAGGACCAAGGTGGAAATAAAA 407

RESULT 3

US-09-249-011a-3
; Sequence 3; Application US/09249011a
; Patent No. US2002017685A1
; GENERAL INFORMATION:
; APPLICANT: CO. MAN SING
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARENNO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: VELDMAN, GERTRUUDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; FILE REFERENCE: 08702.0081-00000/249,011a
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Murine sp.
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (12)..(396)
; OTHER INFORMATION: Anti-B7-2 light chain
US-09-249-011a-3
Query Match 91.1%; Score 360.8; DB 9; Length 396;
Best Local Similarity 94.4%; Pred. No. 5e-118;
Matches 374; Conservative 0; Mismatches 22; Indels 0; Gaps 0;
Qy 1 ATGGATTTCAGAGCCAGGCTTCTTATATGCTGCTAGTGTATCTGGCACTTGGG 60
Db 1 ATGGATTTCAGAGCCAGGCTTCTTATATGCTGCTAGTGTATCTGGCACTTGGG 60
Qy 61 GACATGCTGTGACACAGTCTTCCAGATTCCTGGCTGTAAAGCTTAGAGAGAGGCACT 120
Db 61 GACATGCTGTGACACAGTCTTCCAGATTCCTGGCTGTAAAGCTTAGAGAGAGGCACT 120
Qy 121 ATTAGCTGMAATCAGTACAGTCTCTCAACAGTAGAGACCGAGAGAGACTTGTGCT 180

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 28, 2004, 12:15:07 ; Search time 315.416 Seconds
(without alignments)
5711.061 Million cell updates/sec

Title: US-09-249-011b-7
Perfect score: 396
Sequence: 1 atggattacagccagctg.....ggaccaggtggaataaaa 396

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2960401 seqs, 2274450654 residues

Total number of hits satisfying chosen parameters: 5320802

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*
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8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
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10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES			
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1	396	100.0	396 9 US-09-249-011A-7
2	392.8	99.2	1960 9 US-09-249-011A-21
3	360.8	91.1	396 9 US-09-249-011A-3
4	279	70.5	427 15 US-10-159-006-23
5	279	70.5	6068 15 US-10-159-006-27
6	278.6	70.4	748 15 US-10-408-930-3
7	268.2	67.2	1133 15 US-10-328-070-13
8	268.2	67.2	1133 15 US-10-328-070-13
9	267.2	67.3	339 15 US-10-270-071-20
10	267.2	67.3	804 15 US-10-270-071-21
11	267.2	67.5	804 15 US-10-270-071-25
12	267.2	67.5	807 15 US-10-270-071-9
13	267.2	67.5	807 15 US-10-270-071-11
14	265.6	67.1	339 15 US-10-270-071-58

Sequence 62, Appl
Sequence 29, Appl
Sequence 35, Appl
Sequence 13, Appl
Sequence 15, Appl
Sequence 11, Appl
Sequence 1, Appl
Sequence 3, Appl
Sequence 10, Appl
Sequence 10, Appl
Sequence 10, Appl
Sequence 2099, Appl
Sequence 2, Appl
Sequence 453, Appl
Sequence 53, Appl
Sequence 58, Appl
Sequence 57, Appl
Sequence 10, Appl
Sequence 35, Appl
Sequence 5, Appl
Sequence 17, Appl
Sequence 78, Appl
Sequence 1, Appl
Sequence 58, Appl
Sequence 52, Appl
Sequence 77, Appl
Sequence 1232, Appl
Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-249-011A-7
; Sequence 7, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARENCO, BEATRIZ
; APPLICANT: CARENCO, BEATRIZ
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; FILE REFERENCE: US702,0081-00000
; CURRENT PUBLICATION NUMBER: US/09/249, 011A
; CURRENT PUBLICATION DATE: 2003-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Humanized
; OTHER INFORMATION: murine anti-human B7-2 light chain
; NAME/KEY: CDS
; LOCATION: (1)...(396)
US-09-249-011A-7
Query Match 100.0%; Score 396; DB 9; Length 396;
Best Local Similarity 100.0%; Pred. No. 1.3e-130;

US-08-579-378A-12

Query Match 79.7%; Score 573.5; DB 3; Length 140;
Best Local Similarity 78.6%; Pred. No. 5.9e-50;
Matches 110; Conservative 8; Mismatches 17; Indels 5; Gaps 1;

QY 1 MGNWCIFFLVTTATGCHSQVLVQSGAEVKKFGSSVVKSCASGYTFTDYAOWVRQAP 60
DB 1 MGNWCIFFLVTTATGCHSQVLVQSGAEVKKFGSSVVKSCASGYTFTDYAOWVRQAP 60

QY 61 GQGLEWIGVINIYDNTYNQKFKGKATMTVDKSTSTAYMELSLRSEDTAVYICARAAM 120
DB 61 GQGLEWIGVINIYDNTYNQKFKGKATMTVDKSTSTAYMELSLRSEDTAVYICAREY 120

QY 121 -----YMDYWGQGLTVTSS 135
DB 121 GNYVRYFDVWGQGLTVTSS 140

RESULT 2
PCT-US93-11612-12
; Sequence 12: Application PC/TUS9311612
; GENERAL INFORMATION:
; APPLICANT: CO, Man Sung
; TITLE OF INVENTION: Humanized Antibodies Reactive with
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 01-DEC-1992
; PRIORITY NUMBER: PCT/US93/11612
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/983,946
; FILING DATE: 01-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 140 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US93-11612-12

Query Match 79.7%; Score 573.5; DB 5; Length 140;
Best Local Similarity 78.6%; Pred. No. 5.9e-50;
Matches 110; Conservative 8; Mismatches 17; Indels 5; Gaps 1;

QY 1 MGNWCIFFLVTTATGCHSQVLVQSGAEVKKFGSSVVKSCASGYTFTDYAOWVRQAP 60
DB 1 MGNWCIFFLVTTATGCHSQVLVQSGAEVKKFGSSVVKSCASGYTFTDYAOWVRQAP 60

QY 61 GQGLEWIGVINIYDNTYNQKFKGKATMTVDKSTSTAYMELSLRSEDTAVYICARAAM 120
DB 61 GQGLEWIGVINIYDNTYNQKFKGKATMTVDKSTSTAYMELSLRSEDTAVYICAREY 120

QY 121 -----YMDYWGQGLTVTSS 135
DB 121 GNYVRYFDVWGQGLTVTSS 140

RESULT 3
US-07-634-278-19
; Sequence 19: Application US/07634278
; GENERAL INFORMATION:
; APPLICANT: QUEEN, Cary L.
; APPLICANT: CO, Man Sung
; APPLICANT: SCHNEIDER, William P.
; APPLICANT: LANDOLEI, Nicholas P.
; APPLICANT: COELINGH, Kathleen L.
; APPLICANT: SELICK, Harold E.
; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: 379 Market Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: US
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 19-DEC-1990
; PRIORITY NUMBER: US/07/634,278
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/590,274
; FILING DATE: 28-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/310,252
; FILING DATE: 13-FEB-1989
; PRIOR APPLICATION DATA: US 07/290,975
; FILING DATE: 28-DEC-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-002600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-634-278-19

Query Match 75.7%; Score 545; DB 1; Length 135;
Best Local Similarity 77.8%; Pred. No. 3.9e-47;
Matches 105; Conservative 7; Mismatches 23; Indels 0; Gaps 0;

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DB 1 MGNWCIFFLVTTATGCHSQVLVQSGAEVKKFGSSVVKSCASGYTFTDYAOWVRQAP 60

QY 61 GQGLEWIGVINIYDNTYNQKFKGKATMTVDKSTSTAYMELSLRSEDTAVYICARAAM 120
DB 61 GQGLEWIGVINIYDNTYNQKFKGKATMTVDKSTSTAYMELSLRSEDTAVYICARAGG 120

QY 121 YMDYWGQGLTVTSS 135
DB 121 VFDYWGQGLTVTSS 135

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OM protein - protein search, using sw model

Run on: May 26, 2004, 11:42:43 ; Search time 16.1798 Seconds
(without alignments)
430.754 Million cell updates/sec

Title: US-09-249-011b-6

Perfect score: 720
Sequence: 1 MGNWCLIFEVTTATGVHSQ.....ARAAWYDVGQQTIVTVSS 135

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA: *
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2: /cgn2_6/ptodata/2/iaa/5B COMB pep: *
3: /cgn2_6/ptodata/2/iaa/6A COMB pep: *
4: /cgn2_6/ptodata/2/iaa/6B COMB pep: *
5: /cgn2_6/ptodata/2/iaa/6C COMB pep: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	573.5	72.7	140	1	US-08-579-378A-12
2	573.5	72.7	140	5	US-08-579-378A-12
3	545	75.7	135	1	US-07-634-278-19
4	545	75.7	135	1	US-08-477-728-19
5	545	75.7	135	1	US-08-474-040-19
6	545	75.7	135	1	US-08-487-200-19
7	545	75.7	135	2	US-08-303-569B-31
8	545	75.7	135	3	US-08-484-537-19
9	531.5	73.8	163	5	US-08-553-968-11
10	530.5	73.7	140	3	US-08-436-717-102
11	530.5	73.7	140	4	US-08-436-717-102
12	529.5	73.6	140	4	US-08-434-122-63
13	529.5	73.6	140	5	US-08-434-122-63
14	529.5	73.5	138	3	US-08-513-968-11
15	529	73.5	138	2	US-08-656-586-8
16	527	73.2	135	1	US-08-137-117D-102
17	527	73.2	135	2	US-08-436-717-102
18	527	73.2	139	4	US-09-355-925-7
19	526	73.1	133	3	US-08-718-323A-8
20	525	73.1	133	4	US-09-587-526-8
21	525	72.9	139	1	US-08-253-877C-19
22	525	72.9	139	2	US-08-452-164A-19
23	525	72.9	139	3	US-08-603-024-18
24	525	72.9	139	4	US-08-452-164A-19
25	521	72.4	135	1	US-08-137-117D-100
26	521	72.4	135	2	US-08-436-717-100
27	521	72.4	135	2	US-08-436-717-100

Sequence 38, Appl
Sequence 74, Appl
Sequence 74, Appl
Sequence 78, Appl
Sequence 78, Appl
Sequence 112, Appl
Sequence 112, Appl
Sequence 112, Appl
Sequence 63, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 83, Appl
Sequence 83, Appl
Sequence 43, Appl
Sequence 43, Appl
Sequence 8, Appl
Sequence 8, Appl
Sequence 53, Appl
Sequence 53, Appl
Sequence 53, Appl

ALIGNMENTS

RESULT 1
US-08-579-378A-12
Sequence 12, Application US/08579378A
Sequence 12, Application US/08579378A
GENERAL INFORMATION:
APPLICANT: Co. Man Sung
TITLE OF INVENTION: Humanized Antibodies Reactive with
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/579,378A
FILING DATE: 27-DEC-1995
PRIORITY DATE: 27-DEC-1995
PRIORITY NUMBER: 024
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/160,074
FILING DATE: 30-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/983,946
FILING DATE: 01-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9512895.8
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9514696.8
FILING DATE: 19-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Liebescheut, O
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 11823-002220
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 140 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

Db 1 MGNWCIFFLVTTATGVSQVQVQSGAEVKGSGSVKSVCKASGYTFTDYAIQWVRQAP 60
Qy 61 GQGLEWIGVINIYDNTNNKPKGKATMTVDKSTSTAYMELSLRSEDYAVYCARAAW 120
Db 61 GQGLEWIGVINIYDNTNNKPKGKATMTVDKSTSTAYMELSLRSEDYAVYCARAAW 120
Qy 121 YMDYWGQGLTVTVSS 135
Db 121 YMDYWGQGLTVTVSS 135

RESULT 2

US-09-249-011A-24
; Sequence 24, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARENNO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: VIT, MAN, GEERTUIDA M.
; APPLICANT: VIT, MAN, GEERTUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Mus sp.

US-09-249-011A-24
Query Match 100.0%; Score 720; DB 9; Length 461;
Best Local Similarity 100.0%; Pred. No. 7.6e-60;
Matches 135; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MGNWCIFFLVTTATGVSQVQVQSGAEVKGSGSVKSVCKASGYTFTDYAIQWVRQAP 60
Db 1 MGNWCIFFLVTTATGVSQVQVQSGAEVKGSGSVKSVCKASGYTFTDYAIQWVRQAP 60
Qy 61 GQGLEWIGVINIYDNTNNKPKGKATMTVDKSTSTAYMELSLRSEDYAVYCARAAW 120
Db 61 GQGLEWIGVINIYDNTNNKPKGKATMTVDKSTSTAYMELSLRSEDYAVYCARAAW 120
Qy 121 YMDYWGQGLTVTVSS 135
Db 121 YMDYWGQGLTVTVSS 135

RESULT 3

US-09-249-011A-2
; Sequence 2, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARENNO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: VIT, MAN, GEERTUIDA M.
; APPLICANT: VIT, MAN, GEERTUIDA M.

; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Murine sp.
; FEATURE:
; OTHER INFORMATION: Anti-B7-2 heavy chain
US-09-249-011A-2

Query Match 87.1%; Score 627; DB 9; Length 135;
Best Local Similarity 84.4%; Pred. No. 1.2e-51;
Matches 114; Conservative 10; Mismatches 11; Indels 0; Gaps 0;
Qy 1 MGNWCIFFLVTTATGVSQVQVQSGAEVKGSGSVKSVCKASGYTFTDYAIQWVRQAP 60
Db 1 MGNWCIFFLVTTATGVSQVQVQSGAEVKGSGSVKSVCKASGYTFTDYAIQWVRQAP 60
Qy 61 GQGLEWIGVINIYDNTNNKPKGKATMTVDKSTSTAYMELSLRSEDYAVYCARAAW 120
Db 61 GQGLEWIGVINIYDNTNNKPKGKATMTVDKSTSTAYMELSLRSEDYAVYCARAAW 120
Qy 121 YMDYWGQGLTVTVSS 135
Db 121 YMDYWGQGLTVTVSS 135

RESULT 4

US-10-216-484-147
; Sequence 147, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Sankyo Co. No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US/09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: Chain of humanized anti-Fas antibody
US-10-216-484-147

Query Match 81.3%; Score 585.5; DB 14; Length 470;
Best Local Similarity 81.4%; Pred. No. 4e-47;
Matches 114; Conservative 6; Mismatches 15; Indels 5; Gaps 1;
Qy 1 MGNWCIFFLVTTATGVSQVQVQSGAEVKGSGSVKSVCKASGYTFTDYAIQWVRQAP 60
Db 1 MGNWCIFFLVTTATGVSQVQVQSGAEVKGSGSVKSVCKASGYTFTDYAIQWVRQAP 60
Qy 61 GQGLEWIGVINIYDNTNNKPKGKATMTVDKSTSTAYMELSLRSEDYAVYCARAAW 119
Db 61 GQGLEWIGVINIYDNTNNKPKGKATMTVDKSTSTAYMELSLRSEDYAVYCARAAW 120
Qy 120 -----WMDYWGQGLTVTVSS 135

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 26, 2004, 11:42:44 ; Search time 39.9438 Seconds
with 942.685 Million CBL updates/sec

Title: US-09-249-011b-6
Perfect score: 720
Sequence: 1 MGNNCIIFFLVITATGVHSQ.....ARAAWMDYNGQTLVTSS 135

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1149113 seqs, 278921704 residues

Total number of hits satisfying chosen parameters: 1149113

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*

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- 7: /cgn2_6/ptodata/1/pubaa/US08_NEW_PUB.pep.*
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- 9: /cgn2_6/ptodata/1/pubaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubaa/US09D_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubaa/US10C_PUBCOMB.pep.*
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- 17: /cgn2_6/ptodata/1/pubaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match	Length	ID	Description
1	720	100.0	135	9 US-09-249-011a-6	Sequence 6, Appli
2	720	100.0	461	9 US-09-249-011a-24	Sequence 24, Appl
3	627	87.1	135	9 US-09-249-011a-2	Sequence 2, Appli
4	583.5	81.3	470	14 US-10-216-484-147	Sequence 147, App
5	582.5	81.3	470	14 US-10-384-933-147	Sequence 147, App
6	582.5	81.3	470	14 US-10-216-484-143	Sequence 143, App
7	582.5	81.3	470	14 US-10-216-484-145	Sequence 145, App
8	581.5	80.8	470	14 US-10-384-933-145	Sequence 145, App
9	579.5	80.5	470	14 US-10-216-484-117	Sequence 117, App
10	579.5	80.5	470	14 US-10-384-933-117	Sequence 117, App
11	567.5	78.8	470	14 US-10-216-484-157	Sequence 157, App
12	567.5	78.8	470	14 US-10-384-933-157	Sequence 157, App
13	566.5	78.7	145	14 US-10-216-484-75	Sequence 75, Appl
14	566.5	78.7	145	14 US-10-384-933-75	Sequence 75, Appl
15	566.5	78.7	145	14 US-10-384-933-75	Sequence 75, Appl

16 566.5 78.7 470 14 US-10-216-484-89 Sequence 89, Appli

17 566.5 78.7 470 14 US-10-384-933-89 Sequence 89, Appli

18 563.5 78.3 140 15 US-10-366-709-48 Sequence 48, Appli

19 559.5 77.7 134 14 US-10-160-506-27 Sequence 27, Appli

20 551.5 76.6 140 15 US-10-366-709-50 Sequence 50, Appli

21 547 76.0 515 9 US-09-825-012-66 Sequence 66, Appli

22 547 76.0 517 9 US-09-825-012-38 Sequence 38, Appli

23 547 76.0 519 9 US-09-825-012-76 Sequence 76, Appli

24 547 76.0 519 9 US-09-825-012-80 Sequence 80, Appli

25 547 76.0 521 9 US-09-825-012-71 Sequence 71, Appli

26 547 76.0 527 9 US-09-825-012-45 Sequence 45, Appli

27 547 76.0 527 9 US-09-825-012-45 Sequence 45, Appli

28 547 76.0 529 9 US-09-825-012-95 Sequence 95, Appli

29 547 76.0 531 9 US-09-825-012-90 Sequence 90, Appli

30 547 76.0 729 9 US-09-825-012-52 Sequence 52, Appli

31 547 76.0 730 9 US-09-825-012-49 Sequence 49, Appli

32 547 76.0 731 9 US-09-825-012-46 Sequence 46, Appli

33 547 76.0 739 9 US-09-825-012-61 Sequence 61, Appli

34 547 76.0 740 9 US-09-825-012-58 Sequence 58, Appli

35 547 76.0 741 9 US-09-825-012-55 Sequence 55, Appli

36 545 75.7 135 12 US-10-389-417-32 Sequence 32, Appli

37 545 75.7 135 12 US-10-389-417-32 Sequence 32, Appli

38 545 75.7 135 12 US-10-389-417-32 Sequence 32, Appli

39 530.5 73.7 136 14 US-10-283-349-63 Sequence 63, Appli

40 530.5 73.7 140 14 US-10-216-484-93 Sequence 93, Appli

41 528.5 73.4 464 14 US-10-216-484-93 Sequence 93, Appli

42 528.5 73.4 464 14 US-10-384-933-9 Sequence 9, Appli

43 527 73.2 139 9 US-09-760-723-7 Sequence 7, Appli

44 527 73.2 139 9 US-09-355-925-7 Sequence 7, Appli

45 527 73.2 139 10 US-09-269-921-125 Sequence 125, App

ALIGNMENTS

RESULT 1
US-09-249-011a-6
; Sequence 6, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: COLLIER, MARIE CHERYL
; APPLICANT: COLLIER, MARIE CHERYL
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTUUDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; FILE REFERENCE: 08702.0061-00000
; CURRENT APPLICATION NUMBER: US/09249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ. NO. 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Humanized
; OTHER INFORMATION: murine anti-human B7-2 heavy chain
US-09-249-011a-6

Query Match 100.0%; Score 720; US 9; Length 135;
East Local Similarity 100.0%; Pos N 1; Pe-6;
Matches 135; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 DB AAGGTTGAACTGTATATATCTTTCTTCTGTTACACAGCTACAGGTGTCACCTCCAG 93
 QY 61 GTCCACAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 120
 DB GTCCACAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 153
 QY 121 TCGAAGCTTCGGGTACACATTCATCTGATTTATGCTATACAGTGGTGAAGAGCTCT 180
 DB TCGAAGCTTCGGGTACACATTCATCTGATTTATGCTATACAGTGGTGAAGAGCTCT 213
 QY 181 GCAAGAGCTTCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 240
 DB GCAAGAGCTTCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 273
 QY 241 CAGAAGTTTAAGGCGCAAGGCGCAAGTGTAGCAAGTGTAGCAAGTGTAGCAAGTGT 300
 DB CAGAAGTTTAAGGCGCAAGGCGCAAGTGTAGCAAGTGTAGCAAGTGTAGCAAGTGT 333
 QY 301 GAATTTGTTTGAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 360
 DB GAATTTGTTTGAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 393
 QY 361 -----TATATGCTACTGCGGTCAAGTGTACCTTGACCTCTCTCTCTCT 405
 DB TTACTACT 447

RESULT 2

US-08-525-539A-62
 ; Sequence 62, Application US/08525539A
 ; Patent No. 6309636
 ; GENERAL INFORMATION:
 ; APPLICANT: DIGNITO, FERNANDO J.R.
 ; APPLICANT: CERIANT, ROBERTO L.
 ; APPLICANT: PETERSON, JERRY A.
 ; TITLE OF INVENTION: RECOMBINANT PEPTIDES DERIVED FROM THE
 ; TITLE OF INVENTION: M63 ANTI-B46 ANTIBODY, METHODS OF USE THEREOF, AND
 ; TITLE OF INVENTION: METHODS OF HUMANIZING ANTIBODY PEPTIDES
 ; NUMBER OF SEQUENCES: 81
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: MORRISON & FOERSTER
 ; STREET: 75 Page Mill Road
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304-1018
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/525,539A
 ; FILING DATE: 14-SEP-1995
 ; CLASSIFICATION: 424
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: DYLAN, TYLER
 ; REGISTRATION NUMBER: 37,612
 ; REFERENCE/DOCKET NUMBER: 27633-20001.21
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 813-5600
 ; TELEFAX: (415) 494-0792
 ; INFORMATION FOR SEQUENCE ID NO. 62:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 424 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-08-525-539A-62

Query Match 62.8%; Score 254.4; DB 4; Length 424;
 Best Local Similarity 78.2%; Pred. No. 7.4e-74;
 Matches 319; Conservative 0; Mismatches 86; Indels 3; Gaps 1;
 QY 1 AAGGTTGAACTGTATATCTTTCTTCTGTTACACAGCTACAGGTGTCACCTCCAG 60
 DB AAGGTTGAACTGTATATCTTTCTTCTGTTACACAGCTACAGGTGTCACCTCCAG 93
 QY 61 GTCCACAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 120
 DB GTCCACAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 70
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 QY 121 TCGAAGCTTCGGGTACACATTCATCTGATTTATGCTATACAGTGGTGAAGAGCTCT 180
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 QY 181 GCAAGAGCTTCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 240
 DB GCAAGAGCTTCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 250
 QY 241 CAGAAGTTTAAGGCGCAAGGCGCAAGTGTAGCAAGTGTAGCAAGTGTAGCAAGTGT 300
 DB CAGAAGTTTAAGGCGCAAGGCGCAAGTGTAGCAAGTGTAGCAAGTGTAGCAAGTGT 310
 QY 301 GAATTTGTTTGAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 360
 DB GAATTTGTTTGAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 370
 QY 361 TA-----TATGCTACTGCGGTCAAGTGTACCTTGACCTCTCTCTCTCTCTCT 405
 DB TTACTACT 418
 RESULT 3
 US-08-579-378A-11
 ; Sequence 11, Application US/08579378A
 ; Patent No. 6210671
 ; GENERAL INFORMATION:
 ; APPLICANT: CO, Man Sung
 ; TITLE OF INVENTION: Humanized Antibodies Reactive with
 ; TITLE OF INVENTION: Humanized Antibodies Reactive with
 ; NUMBER OF SEQUENCES: 20
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend and Crew
 ; STREET: One Market Plaza, Stewart Tower, Suite 2000
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94105
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/579,378A
 ; FILING DATE: 27-DEC-1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/160,074
 ; FILING DATE: 30-NOV-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/983,946
 ; FILING DATE: 01-DEC-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: EP 95112895.8
 ; FILING DATE: 17-AUG-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: EP 95114696.8
 ; FILING DATE: 19-SEP-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Liebeschutz, Joe O.

Sat May 29 12:03:31 2004

us-09-249-011b-5.rni

Page 1

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.
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Maximum Match 100%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	254.4	62.8	424	4	US-08-525-539A-62
3	253.6	62.6	451	3	US-08-579-378A-11
4	253.6	62.1	423	4	PCT-US93-11612-11
5	251.6	62.1	423	4	US-09-438-954-43
6	248.2	61.3	433	1	US-08-137-117D-111
7	248.2	61.3	423	4	US-08-436-617-111
8	245.2	60.5	423	4	US-07-634-728-68
9	245	60.5	405	1	US-07-477-728-68
10	245	60.5	405	1	US-08-474-040-68
11	245	60.5	405	1	US-08-487-200-68
12	245	60.5	405	1	US-08-487-200-68
13	245	60.5	405	3	US-08-484-537-68
14	240.8	59.5	421	3	US-08-836-561-62
15	240.8	59.5	421	4	US-09-434-122-62
16	239.9	59.0	418	4	US-07-355-925-3
17	238.6	58.9	433	1	US-07-634-728-18
18	238.6	58.9	433	1	US-08-477-728-18
19	238.6	58.9	433	1	US-08-487-200-18
20	238.6	58.9	433	3	US-08-484-537-18
21	238.6	58.9	433	3	US-08-484-537-18
22	237.6	58.7	422	1	US-08-482-882-77
23	237.6	58.7	422	1	US-08-483-389-77
24	237.6	58.7	422	2	US-08-483-113D-77
25	237.6	58.7	422	2	US-08-473-503-77
26	237.6	58.7	422	2	US-08-483-932-77
27	237.6	58.7	422	2	US-08-720-420A-77

Sequence 77, Appl
Sequence 77, Appl
Sequence 77, Appl
Sequence 98, Appl
Sequence 98, Appl
Sequence 73, Appl
Sequence 73, Appl
Sequence 77, Appl
Sequence 77, Appl
Sequence 11, Appl
Sequence 45, Appl
Sequence 6, Appl
Sequence 6, Appl
Sequence 9, Appl
Sequence 26, Appl
Sequence 39, Appl
Sequence 44, Appl
Sequence 99, Appl

ALIGNMENTS

RESULT 1
PCT-US91-02942-4
; Sequence 4, Application PC/TUS9102942
; GENERAL INFORMATION:
; APPLICANT: ROTHLEIN, ROBERT
; APPLICANT: ADIAIR, JOHN R
; TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 225 Connecticut Ave. NW Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; PUBLICATION NUMBER: PCT/US91/02942
; FILING DATE: 19910425
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: GB 9009549.8
; FILING DATE: 27-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAM L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 1011.0586600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 466-0800
; TELEFAX: (202) 837-8341
; INFORMATION FOR SEQ ID NO. 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 524 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: COS
; ORGANISM: HOMO SAPIENS
; PCT-US91-02942-4

Query Match 68.4%; Score 277.2; DB 5; Length 524;
Best Local Similarity 81.4%; Pred. No. 2.7e-81;
Matches 337; Conservative 0; Mismatches 68; Indels 9; Gaps 1;

Matches	405;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
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DB	1	ATGGGTGTAAGTCTGATCATCTTCCTTTCTTGTTACCAAGCTCTCAAGGTGGAATCCCGAG	60						
QY	61	GTCCACAGCTGTGCAGTCTCTGGGCTGAGGTGAAGAAGCTTGGAGCTCAGTGAAGGTGTCC	120						
DB	61	GTCCACAGCTGTGCAGTCTCTGGGCTGAGGTGAAGAAGCTTGGAGCTCAGTGAAGGTGTCC	120						
QY	121	TGCAAGGCTTCGGCTCACACTCACTGATNTGCTATCACTCACTGCTGGTGAAGAAGCTCT	180						
DB	121	TGCAAGGCTTCGGCTCACACTCACTGATNTGCTATCACTCACTGCTGGTGAAGAAGCTCT	180						
QY	181	GGACAAGGCTTCGAGTGTGATGGAGATTATAATATTATCTATGATATAAATAAACTACAAC	240						
DB	181	GGACAAGGCTTCGAGTGTGATGGAGATTATAATATTATCTATGATATAAATAAACTACAAC	240						
QY	241	CAGAGGCTTAAGGCAAGGCCACAGCTACACTGATAGCAAGTGTGACAGCACAGCTPATATG	300						
DB	241	CAGAGGCTTAAGGCAAGGCCACAGCTACACTGATAGCAAGTGTGACAGCACAGCTPATATG	300						
QY	301	GAACTTAGTCTTTTGAGATCTGAGGATACGGCGTTTATTACTGTSCAAGAGCGGCTGG	360						
DB	301	GAACTTAGTCTTTTGAGATCTGAGGATACGGCGTTTATTACTGTSCAAGAGCGGCTGG	360						
QY	361	TATATGAGTACTCGGGTCAAGGTACCCTGTCCACCGTCTCTCCA	405						
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RESULT 2									
US-09-249-011A-23									
; Sequence 23, Application US/09249011A									
; Patent No. US20020176855A1									
; GENERAL INFORMATION:									
; APPLICANT: CO, MAN SUNG									
; APPLICANT: VASQUEZ, MAXIMILIANO									
; APPLICANT: CAHRENO, BEATRIZ									
; APPLICANT: CLINIKER, ABBIE CHERYL									
; APPLICANT: COLMAN, MARK									
; APPLICANT: GOLDMAN, SAMUEL									
; APPLICANT: GRAY, GARY S.									
; APPLICANT: KNIGHT, ANDREA									
; APPLICANT: O'HARA, DENISE									
; APPLICANT: RUP, BONITA									
; APPLICANT: VELDMAN, GEERTRUIDA M.									
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH E7-2 AND METHODS									
; FILE REFERENCE: US-AI-00016									
; CURRENT APPLICATION NUMBER: US-09-249-011A									
; CURRENT FILING DATE: 1999-02-12									
; NUMBER OF SEQ ID NOS: 24									
; SOFTWARE: PatentIn Ver. 2.1									
; SEQ ID NO 23									
; LENGTH: 2249									
; TYPE: DNA									
; ORGANISM: Mus sp.									
; FEATURES:									
; NAME/KEY: CDS									
; LOCATION: (12)..(417)									
; FEATURE:									
; NAME/KEY: CDS									
; LOCATION: (655)..(948)									
; FEATURE:									
; NAME/KEY: CDS									
; LOCATION: (1341)..(1376)									
; FEATURE:									
; NAME/KEY: CDS									
; LOCATION: (1495)..(1821)									
; FEATURE:									
; NAME/KEY: CDS									
; LOCATION: (1919)..(2238)									

US-09-249-011A-23

Query Match 100.0%; Score 405; DB 9; Length 2249;
 Best Local Similarity 100.0%; Pred No. 2,5e-126; Indels 0; Gaps 0;
 Matches 405; Conservative 0; Mismatches 0;

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 DB 12 ATGCGGTGGAACTGTATCATCTCTTCTTGTTACACAGCTACAGGTGTCACTCCGAG 71
 QY 61 GTTCACCTGTGTGAGCTCTGGCGTGTAGGTGAGAGAGCTTGGAGCTCTCATGTGAAGTGTCC 120
 DB 72 GTTCACCTGTGTGAGCTCTGGCGTGTAGGTGAGAGAGCTTGGAGCTCTCATGTGAAGTGTCC 131
 QY 121 TGCAAAGCTTCCGGCTACACATCTCATGATGCTATACATGCTATGAGTGGGTGAGCAGCTCT 180
 DB 132 TGCAAAGCTTCCGGCTACACATCTCATGATGCTATGAGTGGGTGAGCAGCTCTCT 191
 QY 181 GACACGGCTCTGAGTGGATGTGGAGTTATTAATATTTACTATGATTAACAATCAAC 240
 DB 192 GACACGGCTCTGAGTGGATGTGGAGTTATTAATATTTACTATGATTAACAATCAAC 251
 QY 241 CAGAGAGTTTAAGCGCAGAGCCACACANTGACTGTAGCAACTCGACGAGCAGCCTTATGTG 300
 DB 252 CAGAGAGTTTAAGCGCAGAGCCACACANTGACTGTAGCAACTCGACGAGCAGCCTTATGTG 311
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 QY 361 TATATGAGTACTCTGCGGCTCAGAGTACCTCGTCTGAGTCTGTCGCA 405
 DB 372 TATATGAGTACTCTGCGGCTCAGAGTACCTCGTCTGAGTCTGTCGCA 416

US-09-249-011A-1

Result 3
 ; Sequence 1, Application US/09249011A
 ; Patent No. US20020176855A1
 ; GENERAL INFORMATION:
 ; APPLICANT: JANSSEN-CILAG, INC. SUNG
 ; APPLICANT: VASQUEZ, MAXIMILIANO
 ; APPLICANT: CARRENO, BEATRIZ
 ; APPLICANT: CELNIKER, ABBIE CHERYL
 ; APPLICANT: COLLINS, MARY
 ; APPLICANT: GOLDMAN, SAMUEL
 ; APPLICANT: GRAY, GARY S.
 ; APPLICANT: KNIGHT, ANOREA
 ; APPLICANT: O'HARA, DENISE
 ; APPLICANT: PETERSON, JAMES
 ; APPLICANT: VELDMAN, GERTRUIDA M.
 ; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
 ; FILE OF INVENTION: OF TREATMENT THEREWITH
 ; FILE REFERENCE: 08702.0081-00600
 ; CURRENT APPLICATION NUMBER: US/09/249,011A
 ; CURRENT FILING DATE: 1999-02-12
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO: 1
 ; LENGTH: 405
 ; TYPE: DNA
 ; ORGANISM: Mus mus sp.
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(405)
 ; OTHER INFORMATION: Anti-B7-2 heavy chain
 ; US-09-249-011A-1

Query Match 82.6%; Score 134.6; DB 9; Length 405;
 Best Local Similarity 89.1%; Pred No. 2,5e-102; Indels 0; Gaps 0;
 Matches 361; Conservative 44; Mismatches 44;

QY 1 ATGCGTGGAACTGTATCATCTCTTCTTGTTACACAGCTACAGGTGTCACTCCGAG 60

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OM nucleic - nucleic search, using sw model

Run on: May 28, 2004, 12:15:07 ; Search time 322.584 seconds
(without alignments)
5711.081 Million cell updates/sec

Title: US-09-249-011b-5
Perfect score: 405.584
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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2960401 seqs, 2274450654 residues

Total number of hits satisfying chosen parameters: 5920802

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	405	100.0	2249	9 US-09-249-011a-5	Sequence 23, Appl
3	334.6	82.6	405	9 US-09-249-011a-1	Sequence 1, Appl
4	254.4	62.8	424	9 US-09-956-206a-62	Sequence 62, Appl
5	253.6	62.6	2071	15 US-10-216-484-116	Sequence 116, App
6	253.6	62.6	2071	15 US-10-384-933-116	Sequence 116, App
7	253	62.5	4210	9 US-09-897-006-5	Sequence 5, Appl
8	253	62.5	4210	10 US-09-897-006-5	Sequence 5, Appl
9	253	62.5	4210	10 US-10-301-00-3	Sequence 5, Appl
10	253	62.5	7617	13 US-10-301-00-3	Sequence 5, Appl
11	252	62.2	2073	15 US-10-216-484-142	Sequence 142, App
12	252	62.2	2073	15 US-10-216-484-142	Sequence 142, App
13	252	62.2	2073	15 US-10-384-933-142	Sequence 142, App
14	252	62.2	2073	15 US-10-384-933-142	Sequence 144, App

Sequence 43, Appl
Sequence 146, App
Sequence 146, App
Sequence 74, Appl
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Sequence 88, Appl
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Sequence 156, App
Sequence 156, App
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Sequence 42, Appl
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Sequence 21, Appl
Sequence 21, Appl
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Sequence 49, Appl
Sequence 49, Appl
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Sequence 3, Appl
Sequence 20, Appl

ALIGNMENTS

US-09-249-011a-5
RESULT 1
; Sequence 5, Application US/09249011a
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARENO, BEATRIZ
; APPLICANT: CEINIKER, ABIE CHERYL
; APPLICANT: COLLINS, MANUEL
; APPLICANT: COLLINS, MANUEL
; APPLICANT: GRAY, GARY S
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249, 011a
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ. IDS: 24
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 5
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Humanized
; OTHER INFORMATION: murine anti-human B7-2 heavy chain
; FEATURE:
; NAME/SEQ: CDS
; KEYWORDS: (U)...(405)
US-09-249-011a-5
Query Match 100.0%; Score 405; DB 9; Length 405;
Best Local Similarity 100.0%; Pred. No. 3.9e-126;